

August 2004



The Fort Hood Water Program is responsible for protecting the installation's water resources, and keeping Fort Hood in compliance with all federal, state and other water-related rules and regulations. Water Program managers are working hard to both conserve and protect our drinking water supply, by minimizing water waste and controlling or eliminating sources of pollutants discharged to the environment. We are constantly looking for good ideas or novel approaches to help protect the environment, conserve our natural resources, and support the vision of creating the Army's model power projection platform, training installation, and community here at Fort Hood.



Past & Current Water Projects



Surveyed all sand-oil-water separators on the installation to generate an accurate inventory and prioritized list of recommended repairs, upgrades or closures. Currently developing a web-based map for storing relevant data and records.



Performed a Water System Vulnerability Assessment and a comprehensive inspection of all potable water storage tanks. Working on tank repairs, cleaning and security enhancements for the water distribution system.

Water Projects

- Oil/Water Separator Survey
- Education & Outreach
- Water System Vulnerability Assessment
- Water Quality Improvement
- Industrial Wastewater Pretreatment
- Construction Site Inspection Program



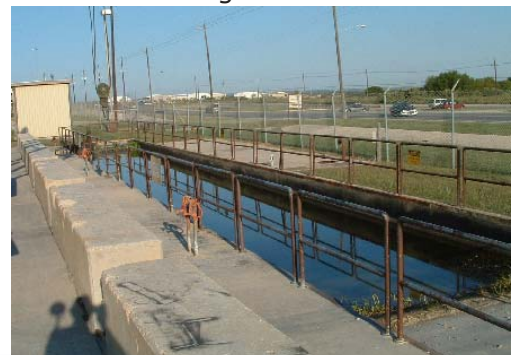
Continuing to improve and expand our Water Quality and Conservation Education Program to inform the military and public about ways they can help conserve water and reduce the amount of pollution getting into the environment.



Working on an Industrial Wastewater Pretreatment Program to document and eventually lessen the amounts and types of pollutants released to the sanitary sewer system and our local waste water treatment plant.





Developed and implemented a Construction Site Inspection & Assistance Program to decrease the erosion in these areas, and improve compliance with permits issued through the Texas Pollutant Discharge Elimination System.




Upcoming Projects





 We are planning to work with CERL and IMA-SWRO to perform a leak detection survey on over 200 miles of aging water mains, and to investigate potential uses of permanently installed leak detection or corrosion control systems.


 Once the TCEQ passes the Phase II Storm Water regulations for small MS4's, Fort Hood will implement a Storm Water Management Program to better manage the drainage issues and storm sewer systems on the installation.

 In order to improve compliance with various wastewater and storm water permits issued by the state of Texas, we will be constructing controls to improve the water quality in runoff from industrial activities and meet our requirements to properly monitor discharges from permitted wastewater outfalls.

Future Needs

 Specifications for the Installation Design Guide are needed for wastewater pretreatment systems (e.g., sand-oil-water separators and grease traps), water conserving fixtures and equipment, and erosion and sediment controls.

 Other options to conventional military vehicle wash racks are needed in order to help conserve water and energy, reduce the discharge of both suspended solids and hydrocarbons, and decrease system maintenance and cleaning requirements.

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Through the use of both conventional and innovative wastewater pretreatment systems, new management plans, education programs, and greater levels of cooperation between the military and civilian

workforce, Fort Hood has been making progress in the areas of water conservation and water quality protection. Working through the installation's Sustainability Program and other education and outreach efforts, the DPW Environmental Division has brought increased attention to our critical water resources, and is getting the word out as to what we all can do to help protect and preserve them for the future.



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